

# MASS ADDITIONS OPEN INTERFACES

## Department of Transportation DELPHI Program



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## Document Control

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### Change Record

Date	Author	Version	Change Reference
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24-Jan-00	Ajay Jain		Included Asset_key_concatenated, Asset number, ap_distribution_line_number, accounting_date in datafile layout.
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19-Jan-01	Martin Kalb	5.0	Standardization of interface layouts. Changes to fields, org id, Set of books id and definitions.

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### Reviewers

Name	Position
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### Distribution

Copy No.	Name	Location
1		
2		
3		
4		

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## Introduction

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### Purpose

The purpose of this document is to describe the DELPHI Open Interfaces used for the Oracle Assets application and requirements for the corresponding tables. Most of the information in this document has been referenced from the **Oracle Assets User's Guide, Release 11**. More details about the usage, tables, and reports of the API's can be found in these manuals.

---

### Scope

The scope of this document addresses the DELPHI open interface requirements for the Oracle Assets application. The following topics are covered in this document:

- General Guidelines
- Mass Additions Interface

The responsibility for developing the contents of items defined within this document resides with the DELPHI Open Interfaces Group in close coordination with the DOT Program Management Team.

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### Purchasing Open Interfaces

The following Open Interfaces are included with the Oracle Assets Applications:

- Capital Budget Interface
- Mass Additions Interface
- Physical Inventory Interface
- Production Interface
- ACE Interface

Of the above, the following are the current DELPHI Open Interfaces being used:

- Mass Additions Interface

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### Related Documents

1. Release 11 Oracle Assets User's Guide
2. Release 11 Oracle Assets Technical Reference Manual

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## General Guidelines

Use the guidelines listed below when interfacing data to the DELPHI Open Interfaces.

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### IP Address

Interface files will be sent to the DELPHI Server via File Transfer Protocol (FTP). The IP address for the DELPHI Interface Server is ;

- Delphi-api.jccbi.gov

---

### File Directory Path

The following DELPHI server directories will be used :

```
-ftp
  -active
    -<OA>
      -global
        -prod (production)
          -inbound
          -outbound
        -test (test)
          -inbound
          -outbound
```

***Note: The inbound area is where all interface files will be placed. The outbound area is where edit files such as vendor(supplier) and Code Combination will be placed.***

---

### File Name

The file naming convention is:

- Interface type\_Interface key\_filename\_date\_time.dat ( example: po\_ctt\_myfile\_d052699\_t120000.dat) or
- Interface type\_Interface key\_filename\_date\_time.gz ( example: po\_ctt\_myfile\_d052699\_t120000.dat.gz)

***Note: The file extension must be .dat or .gz. If you choose to send a file but don't want the file processed yet, change the extension to something other than .dat or .gz. The interface code table will be available in coming weeks.***

---

## File Format

The file format will be variable length records delimited by ‘|’ (pipe symbol).

***Note: Open Interfaces may contain more than one table. When creating open interface records, build them as if the elements in all tables are part of a single record in an end-to-end fashion.***

---

## File Compression

File may be sent in a “zipped” format, using one of the following ZIP utilities;

- PKZIP
- GZIP

***Note: DELPHI will use the PKZIP utility to un-zip interface files. Any zip utilities must be compatible with PKZIP.***

---

## Numeric Decimal Data

Include decimal points for numeric decimal type data (e.g., amount, hours, rate, percentage, etc.) ;

- Thirteen digit decimal numeric amount;  
✓ Example format = 000000012345.67

If the data is signed numeric, include a leading sign character ;

- Thirteen digit negative signed numeric amount;  
✓ Example Format = -00000012345.67
- Thirteen digit positive signed numeric amount  
✓ Example Format = 00000012345.67

---

## Alphanumeric Data

Alphanumeric (VARCHAR2) data type columns are case sensitive.

---

## Date Format

One default date format will be used.

- DD-MON-YYYY
  - ✓ (DD – Numerical day of the month)
  - ✓ (MON – Alphabetic month abbreviation, capitalized [JAN, FEB, MAR, APR, etc.])
  - ✓ (YYYY – Numerical year, century included)

---

## Table Columns

- **NOT NULL** Columns - You must enter values for all NOT NULL columns (labeled "Y" in the "Not Null" column of the table) in the interface tables to successfully save your data in the interface tables.
- **NULL** Columns – A NULL column in the interface table does not require a value for Transaction Import to successfully create transactions from the records in the table (these are labeled "N" in the "Not Null" column of the table).

There are several types of NULL columns:

- Required – These columns are NULL only because they are not required for all transactions. They are required, however, depending on the type of transaction. If you do not enter a valid value in a required field, the record will be rejected during import.
- Conditionally Required – These columns requires you to enter values only if you have entered a value in another column on which the column is dependent.
- System Assigned – These columns are always NULL and should never be populated because they are used by the Transaction Import program.
- Not Used – These columns are not used for import. You should leave these columns NULL for the records you load into the table.

---

## Disclaimer

This document is developed and maintained by the DELPHI Project Team and is intended to identify data element requirements for the DELPHI Open Interfaces. It is not intended to replace or supersede any Oracle Open Interface documentation. The Oracle Open Interface documentation may be required for more detailed information regarding edits and possible values.

## Mass Additions Open Interface

Oracle Assets lets you convert from your previous asset system using mass additions. Instead of loading your asset information into multiple Oracle Assets tables, load your information into the FA\_MASS\_ADDITIONS table and use the mass additions process to simplify your work.

For columns marked **PREP** you can either import information into the column directly or enter it in the Mass Additions window before you post. If you do **NOT** have access to Oracle Fixed Assets then all columns marked **PREP** become **REQUIRED** fields.

**FA\_MASS\_ADDITIONS Interface Table**

FA_MASS_ADDITIONS				
Num	Column Name	Type	Not Null	Usage
1	ASSET_NUMBER	VARCHAR2(15)	N	Optional Prep
2	TAG_NUMBER	VARCHAR2(15)	N	Optional Prep
3	DESCRIPTION	VARCHAR2(80)	N	Required Prep
4	ASSET_CATEGORY_DESCRIPTION	VARCHAR2(250)	N	Required Prep
5	MANUFACTURER_NAME	VARCHAR2(30)	N	Optional Prep
6	SERIAL_NUMBER	VARCHAR2(35)	N	Optional Prep
7	MODEL_NUMBER	VARCHAR2(40)	N	Optional Prep
8	DATE_PLACED_IN_SERVICE	DATE	N	Required Prep
9	FIXED_ASSETS_COST	NUMBER	N	Required Prep
10	FIXED_ASSETS_UNITS	NUMBER	N	Required Prep
11	PAYABLES_ACCOUNT_CODE_CONCATENATED	VARCHAR2(250)	N	Required
12	EXPENSE_ACCOUNT_CODE_CONCATENATED	VARCHAR2(250)	N	Required Prep
13	LOCATION_CONCATENATED	VARCHAR2(250)	N	Required Prep
14	ASSIGNED_TO	NUMBER	N	Optional Prep
15	FEEDER_SYSTEM_NAME	VARCHAR2(40)	N	Optional
16	REVIEWER_COMMENTS	VARCHAR2(60)	N	Optional
17	INVOICE_NUMBER	VARCHAR2(50)	N	Optional
18	PO_VENDOR_NAME	VARCHAR2(80)	N	Optional
19	PO_NUMBER	VARCHAR2(20)	N	Optional Prep
20	POSTING_STATUS	VARCHAR2(15)	N	Required
21	PAYABLES_COST	NUMBER	N	Required
22	DEPRECIATE_FLAG	VARCHAR2(3)	N	Required Prep
23	PARENT_ASSET_NUMBER	VARCHAR2(15)	N	Optional
24	AP_DISTRIBUTION_LINE_NUMBER	NUMBER(15)	N	Optional
25	ASSET_KEY_CONCATENATED	VARCHAR2(250)	N	Optional
26	ASSET_TYPE	VARCHAR2(11)	N	Required Prep
27	DEPRN_RESERVE	NUMBER	N	Optional
28	YTD_DEPRN	NUMBER	N	Optional
29	SALVAGE_VALUE	NUMBER	N	Optional
30	ACCOUNTING_DATE	DATE	N	Optional
31	INVENTORIAL	VARCHAR2(3)	N	Required

FA_MASS_ADDITIONS				
Num	Column Name	Type	Not Null	Usage
32	FULLY_RSVD_REVALS_COUNTER	NUMBER	N	Optional
33	MERGE_INVOICE_NUMBER	VARCHAR2(50)	N	Optional
34	MERGE_VENDOR_NUMBER	VARCHAR2(30)	N	Optional
35	PRODUCTION_CAPACITY	NUMBER	N	Optional
36	UNIT_OF_MEASURE	VARCHAR2(25)	N	Optional
37	UNREVALUED_COST	NUMBER	N	Optional
38	YTD_REVAL_DEPRN_EXPENSE	NUMBER	N	Optional
39	SUM_UNITS	VARCHAR2(3)	N	Optional

---

## Column Name Definitions

Listed below are the data fields found in this document, along with their definition and whether they are required or optional.

---

### FA\_MASS\_ADDITIONS Definitions

---

#### 1. ASSET\_NUMBER VARCHAR2(15)

---

##### *Optional Prep Field*

This column is a unique external identifier for assets. If you enter a value in this column it is used for asset numbering. The numbers you supply must be unique. It identifies the asset in Oracle Assets windows and reports. If you leave this column blank Oracle Assets assigns an asset number using automatic numbering, in which case the asset number is the same as the asset id.

**Validation:** This value can be alphanumeric. Oracle Assets allows no duplicate values and nulls. Put in your agency identifier first, followed by a sequential number.

---

#### 2. TAG\_NUMBER VARCHAR2(15)

---

##### *Optional Prep Field*

Use this column for the asset tag number if required. You can use this column for barcode values if you track assets by barcodes.

**Validation:** This value can be alphanumeric. Oracle Assets allows no duplicate values except null. TAG\_NUMBER must be unique across the system.

---

#### 3. DESCRIPTION VARCHAR2(80)

---

##### *Required Prep Field*

Defines the description of the asset.

**Validation:** This value can be alphanumeric .

---

#### 4. ASSET\_CATEGORY\_DESCRIPTION VARCHAR2(250)

---

##### *Required Prep Field*

Defines the category that corresponds to the asset. **Note:** This information is a list of values that is created for your administration at the time of implementation. Each OA has a valid list of values that they create and maintain.

**Validation:** This value must be alphanumeric . This field consists of OA, Account, and Class.

Data Value Example: FAA.17506000.31460

---

**5. MANUFACTURER\_NAME**    *VARCHAR2(30)*

---

*Optional Prep Field*

Defines the name of the manufacturer of the asset.

**Validation:** This value can be alphanumeric .

---

**6. SERIAL\_NUMBER**    *VARCHAR2(35)*

---

*Optional Prep Field*

Defines the serial number of the asset.

**Validation:** This value can be alphanumeric .

---

**7. MODEL\_NUMBER**    *VARCHAR2(40)*

---

*Optional Prep Field*

Defines the model number of the asset.

**Validation:** This value can be alphanumeric .

---

**8. DATE\_PLACED\_IN\_SERVICE**    *DATE*

---

*Required Prep Field*

Defines the date you placed the asset in service.

**Validation:** This value must be in valid date format DD-MMM-YYYY.

---

**9. FIXED\_ASSETS\_COST**    *NUMBER*

---

*Required Prep Field*

Defines the cost of the asset as it currently appears in your general ledger.

**Note:** Decimal point is required if cents are involved.

**Validation:** This value must be numeric.

---

**10. FIXED\_ASSETS\_UNITS    NUMBER**

---

*Required Prep Field*

Defines the number of units that make up the asset.

**Validation:** This value must be numeric. You must use a positive integer value. Must be 1 or greater.

---

**11. PAYABLES\_ACCOUNT\_CODE\_CONCATENATED    VARCHAR2(250)**

---

*Required Field*

Defines the account code combination of the asset clearing account you assigned to the asset category.

**Validation:** This value can be alphanumeric.

---

**12. EXPENSE\_ACCOUNT\_CODE\_CONCATENATED    VARCHAR2(250)**

---

*Required Prep Field*

Defines the account code concatenated of the general ledger account to which depreciation expense should be charged. Refer to the **Glossary** in the back of this document under Account Code Combination to further elaborate on this field's description.

**Validation:** This value can be alphanumeric. **NOTE:** General Ledger account should be 67106600. This is a Depreciation Expense Account.

---

**13. LOCATION\_CONCATENATED    VARCHAR2(250)**

---

*Required Prep Field*

**Note:** This information is a list of values that is created for your administration at the time of implementation. Each OA has a valid list of values that they create and maintain.

Defines the columns for the location fields concatenated that corresponds with the location of the asset. Refer to the **Glossary** in the back of this document under Location Segment Combination to further elaborate on this field's description.

**Validation:** This value can be alphanumeric.

---

**14. ASSIGNED\_TO    NUMBER)**

---

*Optional Prep Field*

Defines the employee id of the employee responsible for this asset.

**Validation:** This value must be numeric. Use a value from the EMPLOYEE\_ID column in FA\_EMPLOYEES. Note that EMPLOYEE\_ID is the unique internal identifier, and not the same as the external identifier EMPLOYEE\_NUMBER. **Note:** For Delphi global design, this field will not be used.

---

**15. FEEDER\_SYSTEM\_NAME** VARCHAR2(40)

---

*Optional Field*

Use this column to note that this asset came from an import process.

**Validation:** For example, use CONVERSION or PAYABLES, etc ..., to denote the nature of the import.

---

**16. REVIEWER\_COMMENTS** VARCHAR2(60)

---

*Optional Field*

Use this column to note that this asset came from an import process and any other details about this asset.

**Validation:** This value can be alphanumeric.

---

**17. INVOICE\_NUMBER** VARCHAR2(50)

---

*Optional Field*

Defines the invoice number for the current asset, if available.

**Validation:** This value can be alphanumeric.

---

**18. PO\_VENDOR\_NAME** VARCHAR2(80)

---

*Optional Field*

Defines the supplier name.

**Validation:** This value can be alphanumeric.

---

**19. PO\_NUMBER** VARCHAR2(20)

---

*Optional Prep Field*

Defines the purchase order number for the current asset, if available.

**Validation:** This value can be alphanumeric.

## 20. POSTING\_STATUS VARCHAR2(15)

---

### *Required Field*

Defines the posting status for the asset.

**Validation:** This value can be alphanumeric. To import asset information from another system, use the value NEW.

## 21. PAYABLES\_COST NUMBER

---

### *Required Field*

Defines the original cost of the asset.

**Note:** Decimal point is required if cents are involved.

**Validation:** If you do not have the original cost of the asset, use the asset cost as it appears in the general ledger.

## 22. DEPRECIATE\_FLAG VARCHAR2(3)

---

### *Required Prep Field*

Defines whether or not you wish Oracle Assets to depreciate this asset.

**Validation:** This value must be numeric. If you want to calculate depreciation on this asset, enter YES in this column. If you do not want to calculate depreciation, enter NO.

## 23. PARENT\_ASSET\_NUMBER VARCHAR2(15)

---

### *Optional Field*

Defines the parent asset identified with this asset, if available or necessary.

**Validation:** This value can be alphanumeric. If you are importing asset information from another system, use this column for the asset number of the parent asset if this asset is a subcomponent of another asset. The parent asset must be an existing asset. For a conversion, do not use this column. If an asset is a subcomponent, you can enter this relationship in the Subcomponents window after you post.

## 24. AP\_DISTRIBUTION\_LINE\_NUMBER NUMBER(15)

---

### *Optional Field*

Use this column for the distribution line number. The value must be a valid in the AP\_DISTRIBUTION\_LINE\_NUMBER column on the table AP\_INVOICE\_DISTRIBUTIONS, and tied to the INVOICE\_ID given above .

**Validation:** This value must be numeric.

---

**25. ASSET\_KEY\_CONCATENATED** VARCHAR2(250)

---

*Optional Field*

Use this column for the concatenated segments that corresponds to the asset key. Refer to Asset Key Segment Combination in the Glossary of Terms.

**Validation:** This value can be alphanumeric.

---

**26. ASSET\_TYPE** VARCHAR2(11)

---

*Required Prep Field*

Defines the asset type of the asset.

**Note:** Must match the Asset Category.

**Validation:** This value can be alphanumeric. Use this column for the asset type of the asset. Enter one of the following values:

For your capitalized assets **CAPITALIZED**

For your construction-in-process (CIP) assets **CIP**

For your expensed assets. **EXPENSED**

---

**27. DEPRN\_RESERVE** NUMBER

---

*Optional Field*

**Note:** Decimal point is required if cents are involved.

Defines the accumulated depreciation of the asset as it currently appears in your general ledger.

**Validation:** This value must be numeric. You can enter a value, or have Oracle Assets calculate it.

---

**28. YTD\_DEPRN** NUMBER

---

*Optional Field*

**Note:** Decimal point is required if cents are involved.

Defines the year-to-date depreciation of the asset as it currently appears in your general ledger.

**Validation:** This value must be numeric. You can enter a value, or have Oracle Assets calculate it for an asset with a date placed in service in a prior period.

## 29. SALVAGE\_VALUE NUMBER

---

### *Optional Field*

**Note:** Decimal point is required if cents are involved.

Defines the salvage value of the asset, if available.

**Validation:** This value must be numeric.

## 30. ACCOUNTING\_DATE DATE

---

### *Optional Field*

Use this column for the accounting date of the invoice. The Unposted Mass Additions Report reports on this date.

**Validation:** None

Data Value Example: 14-Jun-2000

## 31. INVENTORIAL VARCHAR2(3)

---

### *Required Field*

Defines whether the asset should be included in physical inventory.

**Validation:** This value can be alphanumeric. This field may be populated by 'YES' or 'NO '.

## 32. FULLY\_RSVD\_REVALS\_COUNTER NUMBER

---

### *Optional Field*

**Note:** This field will not be used in Delphi.

Defines the number of times you have revalued this asset as fully reserved.

**Validation:** This value must be numeric. If you do not revalue your assets, do not use this column.

## 33. MERGER\_INVOICE\_NUMBER VARCHAR2(50)

---

### *Optional Field*

Optionally set this column to INVOICE\_NUMBER for unmerged lines.

**Validation:** This value can be alphanumeric.

## 34. MERGER\_VENDOR\_NUMBER VARCHAR2(30)

---

### *Optional Field*

Optionally set this column to `VENDOR_NUMBER` for unmerged lines.

**Validation:** This value can be alphanumeric.

---

### **35. PRODUCTION\_CAPACITY**    *NUMBER*

---

#### *Optional Field*

Defines the capacity of a units of production asset column.

**Validation:** This value must be numeric. If you do not enter a capacity, Oracle Assets uses the capacity from the asset category. If this asset is not a units of production asset, do not use this.

---

### **36. UNIT\_OF\_MEASURE**    *VARCHAR2(25)*

---

#### *Optional Field*

Defines the unit of measure for a units of production asset.

**Validation:** This value can be alphanumeric. If you do not enter a unit of measure, Oracle Assets uses the unit of measure from the asset category. If this asset is not a units of production asset, do not use this column.

---

### **37. UNREVALUED\_COST**    *NUMBER*

---

#### *Optional Field*

Use this column for the cost without regard to any revaluations of a revalued asset.

**Validation:** This value must be numeric. If you do not revalue your assets, do not use this column.

---

### **38. YTD\_REVAL\_DEPRN\_EXPENSE**    *NUMBER*

---

#### *Optional Field*

Defines the year-to-date depreciation expense due to revaluation of a revalued asset.

**Validation:** This value must be numeric. If you do not revalue your assets, do not use this column.

---

### **39. SUM\_UNITS**    *VARCHAR2(3)*

---

#### *Optional Field*

Defines whether to sum the units of merged mass additions.

**Validation:** This value can be alphanumeric. Value should be YES or NO.

---

## Glossary of Terms

Listed below are some of the terms found in the document, along with their definitions .

---

### Account Code Combinations

The DELPHI Account Code Combination Structure is made up of ten segments. Listed below are the segments, meaning, and format and length.

Segment 1	Fund	VARCHAR2 (10)
Segment 2	Budget Year	VARCHAR2 (4)
Segment 3	BPAC	VARCHAR2 (10)
Segment 4	Org Code	VARCHAR2 (10)
Segment 5	Object Class	VARCHAR2 (5)
Segment 6	GL Account	VARCHAR2 (8)
Segment 7	Reserved for future use	VARCHAR2 (10)
Segment 8	Reserved for future use	VARCHAR2 (10)
Segment 9	Reserved for future use	VARCHAR2 (10)
Segment 10	Reserved for future use	VARCHAR2 (10)

Data Value example:

111111111.2222.3333333333.444444444.55555.66666666.0000000000.0000000000.0000000000.0000000000

**Note: Data value must contain segment delimiter (period) between each segment.**

---

### Data Type

Each column within the template is designated by data type. The most common data types are;

- DATE – A DATE column contains date information and must be masked to a valid format such as DD-MON-YYYY.
- NUMBER – A NUMBER column consists of digits, signs, and decimal points.
- VARCHAR2 – A VARCHAR2 column contains a sequence of letters, numbers, punctuation marks and special characters.

---

### Delimited File Format

A file built with a separator between each data element. A '|' (pipe symbol) delimited file would contain the character '|' between each data element. The absence of a value for a data element should be denoted with a delimiter. An example would be ;

Field 1      Field 2      Field 4  
12345678|ABCDEFGF||ABCDEFGF|

## Location Segment Combination

The DELPHI Fixed Assets Location Segment Combination Structure is made up of seven segments. Listed below are the segments, meaning, and format and length.

Segment 1	OA Region	VARCHAR2 (10)
Segment 2	State	VARCHAR2 (2)
Segment 3	City	VARCHAR2 (25)
Segment 4	County	VARCHAR2 (25)
Segment 5	Facility Site	VARCHAR2 (25)
Segment 6	GSA GLC Code	VARCHAR2 (9)
Segment 7	Reserved for future use	VARCHAR2 (25)

Data Value example:

11111.22.33333333333333333333333333333333.444444444444444444444444444444.5555555555555555.6666666666.00000000  
000000000000000000

**Note: Data value must contain segment delimiter (period) between each segment.**

## Asset Key Segment Combination

Segment 1	Book	VARCHAR2 (5)
Segment 2	Region	VARCHAR2 (4)
Segment 3	Org	VARCHAR2 (10)

## Org-id

Org\_id is the identification code of the organization to which the user belongs.

Org_id	Organization Name
2	National Highway Traffic Safety Administration
3	Federal Highway Administration
4	Office of Inspector General
5	Federal Aviation Administration
6	United States Coast Guard
7	Transportation Administration Service Center
8	Federal Railroads Administration
9	Federal Transit Administration
10	Volpe national Transportation Systems Center

11	Maritime Administration
12	Research and Special Programs Administration
13	Surface Transportation Board
14	Office of the Secretary of Transportation
15	DOT Payroll
16	Bureau of Transportation Statistics
1	Department of Transportation
17	Federal Motor Carrier Safety Administration

## Open Interface

An interface program within the Oracle application that can be used to bring data from external sources into the Oracle Applications. These interface programs are supported by the application and provide for complete validation and transformation of data to the required format of the destination application.

## Oracle Tables

Oracle Relational Database Management System stores information within tables. Tables consist of columns and rows. Each column contains one kind of information. The following convention is used to name columns: COLUMN\_NAME. The information is listed in rows across the columns creating a relationship between the columns and the rows in the form of a grid.

## Set of Books Id

SET\_OF\_BOOKS\_ID is the identification code of the Operating Administration to which the user belongs.

SET OF BOOKS ID	Set of Books Name
1	National Highway Traffic Safety Administration
2	Federal Highway Administration
3	Office of Inspector General

4	Federal Aviation Administration
5	United States Coast Guard
6	Transportation Administrative Services Center
7	Federal Railroad Administration
8	Federal Transit Administration
9	VOLPE National Transportation Systems Center
10	Maritime Administration
11	Research and Special Programs Administration
12	Surface Transportation Board
13	Secretary of Transportation
15	Bureau of Transportation Statistics
16	Department of Transportation
17	Federal Motor Carrier Safety Administration

## Review and Sign-Off Sheet

### Mass Additions Open Interface

SIGNATURE (Theresa Mengers):

DATE:

SIGNATURE (Teresa Ryser):

DATE:

SIGNATURE (J. B. Morgan):

DATE:

SIGNATURE (Robert Helms) :

DATE:

SIGNATURE (Walter Woodard) :

DATE:

SIGNATURE:

DATE:

SIGNATURE :

DATE: